

CLAIMS

- [1] A flat panel display device comprising:
 a flat display panel;
 a front cover having an opening matching a display surface of said flat display panel; and
 a casing having first and second casing sections and covering a rear side of said flat display panel,
 said first casing section having a lower thermal conductivity than said second casing section, extending upwardly from said second casing section, and being provided with a vent hole.
- [2] The flat panel display device according to claim 1, wherein said first casing section is in contact with an end portion of said second casing section.
- [3] The flat panel display device according to claim 1, wherein said first casing section and said second casing section define a clearance therebetween.
- [4] The flat panel display device according to claim 2 or 3, wherein said first casing section is formed from a material comprising resin, while said second casing section formed from a material comprising metal.
- [5] The flat panel display device according to claim 2 or 3, wherein said first casing section has a thermal conductivity of not less than 0.02 J/msK and less than 1.5 J/msK, while said second casing section has a thermal

conductivity of not more than 2320 J/msK and more than 80 J/msK.

[6] The flat panel display device according to claim 2 or 3, wherein a value obtained by dividing a vertical width of said first casing section by a vertical width of said casing is more than 1/10 and less than 7/10.

[7] The flat panel display device according to claim 1, wherein said first casing section has an extended portion extending continuously with said second casing section and comprising the same material as said second casing section, and a cover portion layered to cover an outer surface of said extended portion, said cover portion extending upwardly while being in contact with the outer surface of said extended portion.

[8] The flat panel display device according to claim 1, wherein said first casing section has a separated portion spaced by a clearance from said second casing section and comprising the same material as said second casing section, and a cover portion layered to cover an outer surface of said separated portion, said cover portion extending upwardly while being in contact with the outer surface of said separated portion.

[9] The flat panel display device according to claim 7 or 8, wherein said cover portion is formed from a material comprising resin, while said second casing section formed from a material comprising metal.

[10] The flat panel display device according to claim 7 or 8, wherein said cover portion has a thermal conductivity of not less than 0.02 J/msK and less than 1.5 J/msK, while said second casing section has a thermal conductivity of not more than 2320 J/msK and more than 80 J/msK.

[11] The flat panel display device according to claim 7 or 8, wherein a value obtained by dividing a vertical width of said first casing section by a vertical width of said casing is more than 1/10 and less than 4/10.

[12] The flat panel display device according to any one of claims 1 to 11, which has a function of exhausting air through the vent hole.

[13] The flat panel display device according to any one of claims 3 to 8, which has a function of taking in air through the clearance.

[14] The flat panel display device according to any one of claims 1 to 13, wherein said flat display panel is a plasma display panel.